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MELBOURNE VIC 3	001		WRI	TTEN OPINION OF THE	
MEDBOOKIVE AIC 2001			INTERNATIO	DNAL SEARCHING AUTHORITY	
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			·	(PCT Rule 43bis.1)	
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· !			Date of mailing (day/month/year)	2 9 MAR 2005	
Applicant's or agent's file re	ference		FOR FURTHER ACT		
FP21015	•			See paragraph 2 below	
International application No		International filing date	(day/month/year)	Priority date (day/month/year)	
PCT/AU2005/000061		20 January 2005		20 January 2004	
International Patent Class	ification (IPC) or	both national classifica	ation and IPC	20 0411441 7 2004	
Int. Cl. 7 G01N 21/2	21, 33/36				
Applicant					
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1. This opinion contain	s indications relat	ing to the following ite	me.		
	Basis of the opinion		пь.		
	Priority		•		
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<b>=</b> .	Non-establishment	of opinion with regard to	novelty, inventive step ar	nd industrial applicability	
	Lack of unity of inve	•			
	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Box No. VI	Certain documents c	ited			
Box No. VII	Certain defects in the	e international application	•		
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. FURTHER ACTION	<b>.</b> T				
Preliminary Examining be the IPEA and the ch Searching Authority w	osen IPEA has notif	fied the International Dur	opinion will be considere t apply where the applica eau under Rule 66.1 <i>bis</i> (b	ed to be a written opinion of the International nt chooses an Authority other than this one to ) that written opinions of this International	
If this opinion is, as pro written reply together,	ovided above, considerate where appropriate w	dered to be a written opin	ion of the IPEA, the appl	icant is invited to submit to the IPEA a as from the date of mailing of Form	
	onbuguetton of 22	e monas nom ale bhoul	y date, whichever expires	is from the date of mailing of Form	
For further options, see	Form PCT/ISA/220	).			
3. For further details, see notes to Form PCT/ISA/220.					
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BOX 200, WODEN ACT 2606 AUSTRALIA					
-mail address: pct@ipaustralia.gov.au				l l	
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# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/AU2005/000061

			IC1/A02003/000001
B	ox No. I	Basis of the opinion	
1.	With regard which it wa	d to the language, this opinion has been established on the basis of the internations filed, unless otherwise indicated under this item.	onal application in the language in
	the fo	opinion has been established on the basis of a translation from the original langua llowing language , which is the language of a translation furnish ational search (under Rules 12.3 and 23.1(b)).	age into ned for the purposes of
2.	With regard	I to any nucleotide and/or amino acid sequence disclosed in the international a tention, this opinion has been established on the basis of:	pplication and necessary to the
	a. type of	material .	
	a	sequence listing	
	ta	ble(s) related to the sequence listing	
	b. format o	f material	
	ir	written format	
	in	computer readable form	
	c. time of	îling/furnishing	
	co	ontained in the international application as filed.	
	fi	ed together with the international application in computer readable form.	
	fu	rnished subsequently to this Authority for the purposes of search.	•
3.	thea or	tion, in the case that more than one version or copy of a sequence listing and/or a furnished, the required statements that the information in the subsequent or add pplication as filed or does not go beyond the application as filed, as appropriate,	itional copies is identical to that
4.	Additional c	Dmments:	
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# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/AU2005/000061

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial.
	applicability; citations and explanations supporting such statement

### 1. Statement

Novelty (N)	Claims $1-23$	YES
	Claims	NO
Inventive step (IS)	Claims $2-4, 6-9$	YES
	Claims 1, 5, 10 – 23	NO
Industrial applicability (IA)	Claims 1 – 23	YES
	Claims	NO

# 2. Citations and explanations:

The following documents identified in the International Search Report have been considered as relevant for the purposes of this report:

D1: Standard Test Method for Maturity of Cotton Fibers (Sodium Hydroxide Swelling and Polarized Light Procedures). ASTM Designation D1442-80.

### Novelty (N)

D1 discloses a method and apparatus for measuring the maturity of cotton fibres which includes exposing the sample of fibres to polarized light, capturing an image through crossed polar lenses and a compensator plate and comparing the interference colours measured with known reference data. However, D1 discloses the manual comparison of captured images with reference data and fails to disclose the use of a computer that is capable of analysing the images. Claims 1 - 23 therefore meet the criteria set forth in PCT Article 33(2) for novelty.

# <u>Inventive Step (IS)</u> (Claims 1, 5, 10 – 23)

The only difference between the invention defined in claims 1 & 17 and the disclosure of D1 lies in the use of a computer to analyse the captured images. The problem to be solved by the current invention lies in the discrepancies in measurement that arise due to subjective assessments of the images by human operators, and in the slowness of the test. The obvious solution to this problem would be to automate the process of comparing the colour of the images with reference data. The use of a computer to achieve this would have been obvious to the person skilled in the art in light of the now common use of image analysis software in a wide range of technical fields and in particular in the analysis of microscope images. Claims 1 & 17 therefore lack an inventive step in light of D1. The features of dependent claims 5, 10 - 16 & 18 - 23 are either also disclosed in D1, or are features that would be inherent once a computer is used to conduct the analysis. These claims therefore also lack an inventive step in light of D1.

The features of the remaining claims (claims 2-4 & 6-9), relating to the calculation of the area of interference colours or of the fibre, are not disclosed or suggested by any of the identified prior art documents, and therefore these claims meet the requirements of Articles 33(2) & 33(3) PCT with regard to novelty and inventive step.